

### **Amend the title of Article 7.**

The title of Article 7 is amended to include Manufactured Homes, Mobilehomes, and Multi-Unit Manufactured Housing by using the term “MH-unit” that is defined in section 1002 of this chapter. All of these structures must comply with the installation requirements of this article and so should be specifically included in the title.

Throughout this article wherever there is reference to “home”, it is replaced by “MH-unit”. This is necessary because this article is specific to the installation of mobilehomes and manufactured homes, including multi-unit manufactured housing.

### **Amend Section 1320.**

Throughout this section, the word “mobilehome” is struck when a descriptor such as park or lot exists. This is necessary so the requirements can apply to any park lot rather than solely to mobilehomes and mobilehome lots.

**Subsection (a)** is amended as stated in the introduction of this article. The addition of the word “shall” is necessary to emphasize that these requirements are mandatory to all parts of the state. Additionally, this subsection is amended by striking the words “for homes installed” because it is a repetition of the beginning of the sentence.

**Subsection (b)** is added to include multi-unit manufactured homes wherever manufactured homes are referenced, without having to include it specifically in the text of every section. This is necessary because the requirements for manufactured housing are the same for multi-unit manufactured housing. Additionally, the reference to H&SC 18008.7 is necessary because there are installation and approval requirements, specific to multi-unit manufactured housing, contained within the statute.

**Subsection (c)** is added to emphasize that the requirements of this article apply to all installations and subsequent re-installations of mobilehomes or manufactured homes. This is necessary to make it clear to the reader so there is no misunderstanding or confusion about which situations apply to these requirements.

**Subsection (d)**, previously subsection (b), is amended by replacing the words “not be connected to the park utility systems unless the installation of such homes complies with these regulations” with the words “comply with the requirements of this chapter”. This is necessary because whenever a MH-unit is installed in a park, it must meet the requirements of this chapter. The installation of a “dealer’s model” in a park, even when not originally installed as a dwelling, must still be inspected and approved as meeting these requirements to ensure the health and safety of the occupants. A unit installed and not connected to the park’s utility systems can not be approved for any occupancy. This subsection is also amended editorially as mentioned.

**Subsection (e)**, previously subsection (c), is amended by striking the words “Except as provided in subsection (d),” because subsection (d) is deleted because the dates no longer apply. This subsection is further amended by striking the words “for which a permit was issued on or after September 19, 1994,” because a ten-year-old outstanding permit would no longer be valid. The remainder of the subsection is amended editorially.

**Existing subsections (d) and (e)** are deleted because there is not any escrow that was opened in 1994 that has not closed.

**Subsection (f)** is added language that is copied from section 1634(b). This language is repeated to make it clear that changes to the regulations do not affect existing conditions unless they are unsafe or unsanitary. This is added because applicability to existing conditions was an issue raised repeatedly during focus group discussions and with previous rulemakings.

Subsection references to the Health and Safety Code in the Authority Note are deleted because are not necessary and are inconsistent with all other references in this chapter.

Health and Safety Code sections 18045.6 and 18008.7 were added to the Reference Note because section 18045.6 refers to dealer regulations for displayed units, and section 18008.7

which defines when a multi-unit manufactured housing unit is required to be installed on a foundation system.

### **Repeal Section 1322.**

This section is deleted because it has no content and confuses the reader when looking for sections that apply to a particular situation.

### **Amend Section 1324.**

**The title** is amended by adding the word “Installation” to clarify the actual contents of this section and deleting “required”: because it is unnecessary..

**Subsection (a)** is amended by striking the reference to the width and length description of a mobilehome or manufactured home because it is included in the definition in Section 1002 and in the H&SC section 18008 and 18007. It is also amended by deleting the phrase “as a dwelling unit” because dealer models are not initially occupied as a dwelling. Additionally, it is amended by adding the text that recreational vehicles are not required to have installation permits to be located in a park. This is necessary because larger recreational vehicles resemble manufactured homes and the location of them in parks is frequently confused with a mobilehome installation. This is to clarify their exemption from this MH-unit installation article.

**Subsection (b)** is amended to include manufactured home, as explained above.

Health and Safety Code sections 18045.6 and 18630 were added to the Reference Note because 18045.6 refers to dealer regulations for displayed units, and 18630 because it directs the department to adopt rules and regulations regarding plumbing in parks and MH-unit lots are required to have a lot drain inlet.

### **Amend Section 1326.**

**Subsection (a)** is amended by replacing “person” with “applicant”, because a firm or other entity may obtain a permit and it is more accurate.

**Subsection (b)** is amended by replacing “person” with “applicant, or their representative” because it allows a firm to utilize an employee. It is amended by striking the words “to install” because permits are issued for other types of construction besides installations. Additionally, it is amended by striking the words “or his or her representative” because it is redundant and unnecessary and adding the word “shall” to make all the subsequent subsections mandatory.

**Subsections (b)(1) and (2)** are amended by striking the word “shall” because it is added to subsection (b) as applicable to all the subsections.

**Subsection (b)(1)** is also amended by replacing the word “representative” with “official” because it is a more accurate term.

**Subsection (b)(2)** is also amended by replacing the word “representative” with “enforcement official” because it is a more accurate term.

Existing subsection (b)(3) is struck because it is unnecessary. It is the enforcement agency’s responsibility to verify that the system is installed properly and complies with the approved plans and specifications. A certification from the installer or his representative is not a valid verification that the system meets the approved plans and specifications.

**Subsection (b)(3)** is added to require the applicant to provide test equipment required by Section 1362. This is necessary because the person requesting the inspection is must demonstrate to the inspector that the unit complies.

**Subsection (c)** is amended by exchanging the word “when” with the word “if” because the installation may comply, and the subsection must be qualified for that possibility. It is amended by adding the words “sections 18551” because mobilehomes and manufactured homes can be installed pursuant to this section as well as section 18613. It is further amended by adding “and” to clarify that an installation could fail to comply by either the

Health and Safety Code or the regulations, or both. The words “these regulations” are replaced with “this chapter” because it is more precise. The word “notify” is replaced with “provide a written notice of violation” because it specifies the requirements and doesn’t leave it open to interpretation. The word “installer” is replaced with the words “applicant or their representative” because the installer is not necessarily the “applicant”, but could be the “representative”. The phrase “stating the nature of the violation including a reference to the law or regulation being violated” is replacing the phrase “in what respects the installation does not comply”, to state the specific requirement that the notice of violation must include the actual reference to the code section being violated. The word “installer” is replaced with the words “applicant or their representative” because the installer is not necessarily the “applicant”, but could be the “representative”. Finally, the word “when” is replaced with the words “prior to” and the text, “is requested”, is stricken to require payment of the reinspection fee prior to services rendered.

**Subsection (d)** is amended by inserting the phrase, “a copy of the permit” so the unit owner will have a record of who obtained the installation permit along with the contractor information for future use. The phrase “or foundation system”, is added because when a manufactured home is installed on a foundation system, an engineered tiedown system is not required. Existing language “and a copy of any maintenance requirements for a tiedown system, or engineered tiedown system” is deleted because it is not necessary. Tiedown systems are designed for positive and negative loads and do not require any maintenance. Language is added designating the installer as the person to place the information and records in the home, because that is the last person who will have them in his or her possession, at the site of the installation, after approval. The term “homeowner” is replaced with “unit’s owner” to reflect the definition of unit as described in section 1002 of this chapter.

**Subsection (e)** is added to prohibit the occupancy of a manufactured home or mobilehome that has not been inspected and approved for occupancy. The purpose of this addition is to protect the occupants of the manufactured home or mobilehome from possible health and safety risks associated with the installation.

Health and Safety Code section 18551 is added to the Reference Note because it provides requirements for manufactured homes installed on foundation systems.

### **Amend Section 1328.**

This section is amended by deleting the requirements to have all utilities installed prior to the installation of the home provided they are completed by the time of the installation inspection. This is done to permit the installation of the utilities after the home is installed because often, due to their location, it is necessary for the utilities to be installed after the unit is in its intended location. This occurs when the unit must be moved over the intended utility location, as is typical in an installation on a foundation system or when the utilities are located on the street-side of a unit.

Health and Safety Code section 18551 is added to the Reference Note because it provides requirements for manufactured homes on foundation systems.

### **Amend Section 1330.**

**The title of this section** is amended by adding the words “Unit separation and setback requirements within parks” because this provides an accurate description of the actual contents of this chapter.

This section is rearranged to regroup the requirements for units inside the park from those for outside the park, and older parks from newer parks. This is necessary for consistency of requirements.

Throughout this section, the word “mobilehome” is struck, or is exchanged with the word “MH-unit”, when no other descriptor exists. This is necessary so the requirements can apply to “MH-unit” as defined in Section 1002, or expanded to apply to any park rather than solely

to mobilehome parks. The words “a minimum of” are replaced by “not less than” because it is more precise. The words “or eave overhang” are added after the word “projections” to include them and indicate they are separate and can have individual requirements.

**The first sentence** is struck because the title of the section renders it unnecessary.

**Existing subsection (a);** is struck because it is unnecessary.

**New subsection (a)** is not new information; it is created from previous subsection (a)(2), and is amended editorially, and as explained above. The words “of parks” replaces “thereof” because it is more descriptive. The word “no” is replaced by the word “not” and the word “to” replaces “from” to be grammatically correct.

**New subsection (b)** is added to provide requirements for setback and separation for units in parks constructed on or after September 15, 1961. This is necessary to clarify requirements that apply to newer parks.

**Subsections (b) (1), (2), and (3),** are created from a subdivision of subsection (a)(1). This is necessary to separate the requirements for unit separation from permanent buildings, unit separation from units, and unit setback from lot lines, duplicative language is struck, and they are amended editorially.

**Subsections (b)(1)** is amended by striking the phrase “the minimum distance required for the separation of a mobilehome” because it is included in subsection (b). The words “a unit to any” and “not less than” are added to correct the sentence grammatically when the word “mobilehome” was replaced with “unit” and “the minimum...” was relocated to subsection (b).

**Subsections (b)(2)(A), (B), and (C)** are subdivided from subsection (b)(1) to clarify the distance requirements. They are amended by rewriting to clearly define the existing distances between structures. The actual separation and setback distances have not changed.

**Subsection (c),** is amended as portions of subsections (a)(1) and its exception, (a)(3), and subsection (c) because they are all relate to a minimum 3 foot requirement. It was rewritten for clarity.

**Subsection (d),** previously subsection (a)(3), is amended by deleting the word “including” because projections are not necessarily inclusive of eave overhangs and by merging the language from previous subsection (c). These two subsections contain related requirements and should be joined together. The words “minimum distances” and “for separation or” are added to specify that the subject is the distance between objects, and recognize that separation is included with setback. This is necessary to clarify all the requirements, and diminish the possibility for misinterpretation. It is also amended by adding the phrase “where separations between units are greater than six (6) feet,” because this subsection does not apply to when there is less than 6 feet of separation. The language “...area to within three feet from adjacent lot lines not bordering a roadway. Projections shall not extend beyond a lot line bordering a roadway.” is deleted because is incorporated into new subsection (c) and is unnecessary.

Adding the words “permanent”, “combustible” accessory “building or” structure “and” and “or eave overhang” clarifies the separation requirement as it relates to “combustible” structures because of the possibility of fire and fire spread between lots. This subsection is amended editorially, as well. The sentence “A minimum of three feet shall be maintained from the mobile home projection and the adjacent lot line or property line.” is deleted because it is already stated in subsection (c).

**Subsection (e)** is added to specify the location for the required marking of lot lines and its specifications. This is necessary because the lot lines must be marked in order to determine the actual location of the structures in relation to it.

**Subsection (f),** previously subsections (b) and (d), are incorporated into one subsection for clarity and are amended by deleting redundant language created by the merger. There are also editorial changes, and the addition of language to link the two subsections. The word “installed” is added for clarity because these requirements apply at the time of installation.

The phrase “between mobilehomes” is struck because outside of a park, a unit will not necessarily be located adjacent to another unit. The phrase “single family” is replaced with “similar” because the unit could be a multi-unit manufactured housing installed in an area with other multi-unit dwellings.

**Subsection (g)** is added as reference to the section of this chapter identifying location requirements for accessory buildings or structures or building components.

Health and Safety Code section 18551 is added to the Reference Note because it provides requirements for manufactured homes on foundations systems.

### **Repeal Section 1332.**

**This section** is repealed because the requirements are clearly defined in statute (H&SC section 18300).

### **Amend Section 1333.**

**The title** of this section is amended by striking all but the words “foundation system”. This is necessary to keep the title abbreviated and easier to locate.

**Subsection (a)** is amended editorially.

**Subsection (b)** is amended to update the antiquated reference to the 1982 Uniform Building Code, to the currently accepted California Building Code. This is necessary because the current code has been changed since this was last amended.

**Subsection (c)** is amended by striking the words “California licensed” and inserting “an”; this is necessary because it duplicates the definition of architect or engineer in subsection 1002 and to maintain consistency with the rest of the chapter.

**Subsection (d)** is amended by striking the words “California licensed” and inserting “an”. This is necessary because it duplicates the definition of architect in subsection 1002 and to maintain consistency with the rest of the chapter.

**Subsection (e)** is amended by striking the words “to be” because the section applies to “when” a unit is installed, not when it is “proposed” to be installed. The phrase “the department shall require that” is added and the phrase “may be required” is deleted because foundation plans and specifications, approved by the department, must be signed by an architect or engineer to verify a competent design. It is amended by striking “California licensed” and inserting “an”. This is necessary because it duplicates the definition of architect in subsection 1002 and to maintain consistency with the rest of the chapter. The term “professional” is struck because it duplicates the definition of engineer in subsection 1002 and to maintain consistency with the rest of the chapter.

**Subsection (f)** is amended by adding several sections of this article to the list of sections that do not apply to foundation systems for mobilehomes, manufactured homes, and commercial coaches. This is necessary because the referenced sections relate to support systems and tie-down systems that are not applicable when a foundation is used. The requirements contained in these sections are addressed in the foundation approval. The words “and foundations for building components” are added because foundations can be installed under building components. The word, “local”, is stricken because the department may be the enforcement agency.

**Subsection (g)** is amended by exchanging the word “applicable” with the word “paid” because it is more direct. Reference to Section C 1580 of Appendix C is struck and reference to section 1020.9 of Article 1 is inserted and is necessary because Appendix C was incorporated into existing section 1026 in 1995, which is now renumbered as a portion of section 1020.9.

**Subsection (h)** is amended by striking “regarding the procedure to”, because it is vague and unnecessary. Reference to Appendix C is struck and reference to section 1020.9 of Article 1 is inserted. This is necessary because Appendix C was incorporated into existing section 1026 in 1995, which is now renumbered as section 1020.9.

**Subsection (i)** is added for clarity because amendments to Health and Safety Code Section 18008.7, which specifies that Multi-Unit-Manufactured Housing (MUMH) consisting of three or more dwelling units is required to be installed on a foundation. The reference to the specific subsections provided in the Health and Safety Code related to foundations are added for clarity because it is not necessary for a MUMH to become an improvement to real property to comply with the requirements. The requirement from the statute is duplicated here for the ease of the reader.

Health and Safety Code Section 18008.7 is added to the reference note because it specifies when multi-unit manufactured housing is required to be installed on a foundation system.

#### **Amend Section 1333.5.**

**The title** of this section is amended by adding “for Manufactured Homes, Mobilehomes, and Commercial Coaches on Foundation Systems” to specify the contents of the section.

**This section** is amended by deleting the old text and adding language to permit the use of existing approved connections because the existing text prohibited the use of flexible utility connections on homes installed on foundations.

**Subsection (a)** is added to permit utility connections on MH-units installed on a foundation to be either in compliance with this chapter, which permits flexible connections as is permitted on units not installed on foundations, or to have the utility connection installed in compliance with the provisions in the California Plumbing and Electric Codes for permanent buildings, which require a rigid connection. Utility connections on units installed on a foundation, have traditionally been rigid connections. However, when a MH-unit that is already installed, which is not on a foundation, is retrofitted, the previous connections are permitted. Since a flexible connection is safe and is utilized by hundreds of thousands of existing units and in many areas, due to seismic conditions, it would be desirable, the flexible connectors may be utilized is desired by the unit owner. This same consideration is applicable to new installations.

**Subsection (b)** is added language because a commercial modular may only be installed in a park in lieu of a permanent building and is not permitted to be installed on a lot in a park.

#### **Amend Section 1334.**

**The title** of this section is amended by adding the words “MH-unit and” and “Piers and Footings”. This is necessary so the title accurately reflects the contents of the section.

**Subsection (a)** is amended by striking the word “supports” and adding the word “piers” to use common terminology for reader understanding. It is also amended by adding the text “shall be constructed of rust resistant materials or treated to resist rust” because metal piers are located in close proximity to the ground, which contains moisture that accelerates the rusting of metal. Metal piers need to be treated to retard rust to maintain their load bearing capabilities. Additionally, it is amended by deleting references to outdated regulation titles, and by adding currently used titles and including the chapter references. This is necessary so the reader can view the accurate reference. The words “support structures” are deleted because the term is deleted throughout this chapter. Since its original use differing engineering understanding and methods for foundation systems have negated is necessity. The term “MH-unit” is added because these requirements equally apply to mobilehomes, manufactured homes, and multi-unit manufactured housing. This subsection is also amended editorially.

**Subsection (b)** is added to establish testing criteria and guidelines for conducting the tests for other than concrete block piers. This is necessary because there are currently no criteria for testing and no tests for verification of the manufacturers claimed load capacity at this time.

**Subsection (b)(1)** is added to provide specific guidelines for accurate and impartial selection of supports to be tested.

**Subsection (b)(1)(A)** is added to ensure the test is performed on completely assembled supports.

**Subsection (b)(1)(B)** is added to determine the criteria for testing and measurement of the support to its failure point.

**Subsection (b)(1)(C)** is added to determine the maximum allowable load on the tested assembly. It is a common engineering practice to use one-third of the average maximum tested load on a structure, as a standard structural safety allowance in relation to its failure rate.

**Subsection (b)(2)** is added to specify that the tests are required on all types, and heights of supports.

**Subsection (c)** is added to establish requirements for labeling and listing tested piers, other than concrete block. Having verifiable load capacity on permanent labels will provide for consumer protection and safety.

**Subsection (c)(1)** is added to specify that only agencies approved by the department may list pier tests. This is necessary to provide consistent quality of the test and listing results.

**Subsection (c)(1)(A)** is added to provide monitoring of the manufacturer by the listing agency.

**Subsection (c)(1)(A)(i) through (c)(1)(A)(iv) and (c)(1)(B)** are added to define the specific criteria for the audit report for the monitoring of the manufacturer and require the report be provided annually. This assures verification of the testing program and procedures.

**Subsection (c)(2) through (c)(2)(E)**, are added to provide guidelines for labeling of the tested and approved piers. This gives any user of the support or inspector the ability to verify the pier's safe load capability.

**Subsection (d)**, previously the first paragraph of subsection (b), is amended by replacing the words "submitted to" with "approved by". This is necessary because simple submission of the information does not ensure approval by the enforcement agency. The last portion of this subsection is subdivided because this subsection covers soil conditions and that new subsection covers footing size.

**Subsection (e)**, is the previous second paragraph of subsection (b). The original subsection (b) is subdivided because this subsection covers the footing size. The previous section covers soil conditions. It is also amended editorially.

**Table 1334-1 "Footing Areas"** is deleted because it is common information available by simply multiplying the length of a footing times its width and is unnecessary.

**Subsection (e)(1)** has no amendments.

**Subsection (e)(1)(A)** is amended editorially.

**Subsection (e)(1)(B) through (D)** have no amendments.

**Subsection (e)(2)** is amended by correcting a typographical error in the minimum 28-day compressive strength of the concrete from 200 lbs per sq inch to 2500 pounds per sq inch. This is necessary to eliminate misunderstanding as to the strength of the concrete. 2500 pounds per square inch compressive strength is a minimal amount for non-reinforced concrete and is consistent with the requirements of the California Building Code. Additionally, foundation concrete below 2500 pounds per square inch does not require testing or certification, but is adequate when used for support footings.

**Subsection (e)(3)** has no amendments.

**Subsection (f)**, previously subsection (c), is amended by replacing the word "piers" with the word "supports", and by adding the words "and footings" to include them in the requirements and use common terminology. The addition of the words "over 1/3<sup>rd</sup> the area of" and "as measured from the center of the footing" is necessary because metal support piers have a contact area of less than one square foot (this varies with the pier height) and footings can be up to 30 inches in length. When the pier is placed on the footing, the footing must be of sufficient rigidity not to deflect or bow when this type of pier is placed upon it. The addition of the wording requiring specific assembling of contact pads with cross pads on top is

necessary to assure that the support will be stable, distribute the load, and be sufficiently rigid to provide adequate support for the unit. The last sentence is struck because it is covered more thoroughly in subsections 1334 (b) and (c).

**Subsection (g)** is added to assure that when wood footings are stacked, they are secured together to prevent movement or shifting during any type of seismic, wind or other condition. This is necessary so that when wood footings are stacked they essentially become one unit and are not permitted to shift.

**Subsection (h)**, previously subsection (d), is amended by replacing “supports” with “piers”, because it specifically defines the portion of the support. The text requiring lateral bracing in two directions is deleted because it is arbitrary and not defined as to materials or method of installation. Text is also added specifying the limitation on pier height only refers to piers located under the chassis. This is necessary to distinguish them from other piers under the unit, such as perimeter and ridge beam piers that are typically at, or above 3 feet because of the depth of the frame. These types of piers are ancillary to the actual vertical support of the unit and do not require the 36” restriction on height for stability from lateral movement. Pier manufacturers do not make metal piers over 36 inches and stacked concrete blocks above 36 inches have been demonstrated to lack lateral stability. This was the reason for the original requirement. The exclusion of the footing in the 36 inch restriction allows a stable and secure footing to make up the difference in height between 36 inches from the chassis to grade.

**Subsection (i)** is not new; it is the second half of previous subsection (d). This is subdivided because the first half is specific to individual support over 36 inches, and this section relates to support requirements when 25 percent of the entire unit is over 36 inches above the ground as measured from the chassis. This is necessary to define when a foundation system would be required for an MH-unit. When this section was originally written, foundation systems were only designed as a concrete perimeter supporting wall. Because of this, it was necessary to provide an alternative permanently constructed engineered support structure. Presently, Standard Plan Approved foundation systems fulfill all the necessary requirements and are not required to be permanently constructed. This section is also amended by deleting all references to “support structure” because it is unnecessary and no longer exists in these regulations, and by including “MH-unit” as mentioned above. Specific language for measuring the support height is added to avoid erroneous measuring or misunderstanding.

**Subsection (j)** is language copied from subsection 1336.2(h). It is added to assure that the support system will not interfere with the installation of skirting. Skirting installers have been known to move the support out of the way, after inspection, where footings stuck out or obstructed the skirting installation.

#### **Adopt Section 1334.1.**

**This section** is relocated section 1336.4 to place it closer to related requirements. It is amended throughout, by adding the term “MH unit” in front of the deleted word “home” because this is the newly defined term to describe manufactured home, mobilehome, and multi-unit manufactured housing to which this section applies.

**Subsection (a)(2)** is amended as above.

References in the Note to Health and Safety Code subsections is deleted for consistency throughout the chapter and because it is unnecessary.

#### **Adopt Section 1334.2.**

**This section** is relocated section 1336.5 to place it closer to related requirements. It is amended throughout, by adding the term “MH unit” to replace the word “home” because it is the newly defined term to describe manufactured home, mobilehome, and multi-unit manufactured housing to which this section applies.



**Subsection (a)(2)** is amended as mentioned above.

**Subsection (b)** has no amendments.

**Subsection (d) through (d)(2)** have no amendments.

**Subsection (d)(3)** is amended by adding the correct reference to currently accepted new construction standard, the California Building Code. This is necessary to update the reference for new construction from the outdated 1994 edition of the building code to the currently adopted standards.

**Subsections (e) and (f)** are amended as above.

**Subsection (g) through (g)(2)(D)** have no amendments.

References in the Note to Health and Safety Code subsections is deleted for consistency throughout the chapter and because it is unnecessary.

#### **Adopt Section 1334.4.**

The title “Footings In Areas Subject To Ground Freezing” is added to describe the contents of the section.

The requirements of this section are standard construction practice designed to assure that footings do not settle nor heave in freezing situations.

**Subsection (a)** requires that the footing be placed below a frost line that has been determined by a local jurisdiction. This is necessary because local agencies maintain information on the frost line depth in a given area of their jurisdiction.

**Subsection (b)** is added to establish that the footing will be completely below the frost line and the footing placed on “firm undisturbed soil” to provide a firm base and eliminate settling attributed to filled soil. Placing the footing below the frost line is necessary to assure the footing does not heave as the surrounding ground freezes.

**Subsection (c)** is added requiring concrete as the only acceptable material allowed to be used as footings underground and to provide guidelines for minimum thickness of the concrete. The 28-day minimum compressive strength of up to 2500 pounds per square inch is an industry standard for untested concrete as described in the California Building Code. This is necessary because concrete is known not to deteriorate underground and that it must have the strength to withstand the loads imposed by the installed unit.

**Subsection (d)** is added to prohibit untreated, wood without a natural resistance to decay and termites, or any non-masonry material not listed for use below grade from being used below grade because other products have been approved for use underground and when wood is used, only pressure treated wood, or wood of natural resistance to decay and termites, may be within 6 inches of the ground, to avoid damage to the wood.

**Subsection (e)** is necessary to assure that the holes are open for inspection. If necessary, a second inspection may be required to assure the holes are filled prior to final inspection.

**Subsection (f)** is necessary to assure the metal supports will not be imbedded in the soil or concrete to avoid exposure to constant moisture and the deterioration of the metal support.

**Subsection (g)** is added because more than one inspection may be required to approve the depth of the footing or to verify the backfill.

Sections 18300 and 18613 of the Health and Safety Code are added to the authority note because section 18300 authorizes the department to interpret the Mobilehome Parks Act and make it specific and applicable to all parts of the state and section 18613 directs the department to establish regulations for manufactured home or mobilehome installations.

Section 18613 of the Health and Safety Code is added to the reference note because section 18613 refers to regulations adopted by the department that address load-bearing supports.

#### **Adopt Section 1334.5.**

The title “Footings On Uneven Surfaces” is added to describe the contents of the section.

This section is necessary because there are occasions when a footing falls in a location that cannot be leveled by removing soil.

**Subsection (a)** is added to permit the installer to remove soil to level the area of the footing revealing the firm undisturbed soil, or to fill and compact the area as defined in subsection 1334(d) of this chapter.

**Subsection (b)** is added to provide minimum guidelines for leveling footings using poured-in-place concrete because this is a method to provide a level surface with a known load carrying capability exceeding the capacity of compacted soil.

**Subsection (c)** is added to provide minimum guidelines for leveling footings using pressure treated wood because this is a method to provide a level surface with a known load carrying capability that equals the capacity of the footing placed upon it.

**Subsection (d)** is added to provide minimum guidelines for leveling footings with compactable class two aggregate because this type of aggregate is commonly available, is designed for compacted fills, is composed of varying sizes of material for easy compaction and will compact on its own, to more than the 1000 pounds per square foot minimum, when watered down.

**Subsection (e)** is added to provide minimum guidelines for leveling surfaces with a differential of greater than six inches by using poured-in-place concrete or alternate engineered method approved by the enforcement agency. This is necessary because fills greater than 6 inches begin to produce lateral loads on the footings and the methods in the previous subsections do not allow for these lateral forces. Poured-in-place concrete is a known method to accommodate these forces.

Each of these is necessary to allow the installer and owner to choose a best method for the unit installation and still give stability to the footings and unit.

Sections 18300 and 18613 of the Health and Safety Code are added to the authority note because section 18300 authorizes the department to interpret the Mobilehome Parks Act and make it specific and applicable to all parts of the state and section 18613 directs the department to establish regulations to manufactured home or mobilehome installations.

Section 18613 of the Health and Safety Code is added to the reference note because it references the regulations adopted by the department for load-bearing supports.

#### **Adopt Section 1334.6.**

**This section** is necessary to provide guidelines for installing a vapor barrier on the ground when a manufacturer's installation instructions require it. This is necessary so the reader will understand the requirements and proper placement of the barrier.

Sections 18300 and 18613 of the Health and Safety Code are added to the authority note because section 18300 authorizes the department to interpret the Mobilehome Parks Act and make it specific and applicable to all parts of the state and section 18613 directs the department to establish regulations to manufactured home or mobilehome installations.

Section 18613 of the Health and Safety Code is added to the reference note because it references the regulations adopted by the department for load-bearing supports.

#### **Amend Section 1335.**

**The title** of this section is amended to include the phrase "Load Bearing Supports". This is necessary to accurately describe the contents of this section.

**This section** is amended by adding the term "manufactured homes" and "mobilehomes" and deleting the words "homes" because these installation requirements relate to manufactured homes and mobilehomes, and the word homes is vague.

The word "structure" is replaced with "system" to maintain consistency of definition and common terminology. This section is also amended editorially.

Health and Safety Code section 18613(e) of the Authority Note, is amended by deleting the reference to the subsection to maintain consistency with the references in this chapter and because it is unnecessary. The Authority Note is also amended editorially.

### **Amend Section 1335.5.**

**The title** of this section is amended by adding the words “Load Bearing Supports Systems”, and replacing the word “Homes” with “Manufacturer’s”. This is necessary to accurately describe the contents of this section.

This section is amended by adding lettering to separate the added the subsections.

**Subsection (a)** is the original language of this section, and is amended by adding the words “MH unit” to replace the word “home” because it is defined in section 1002, and these requirements do not apply to recreational vehicles. The text “in accordance with this section” is added because the requirements are already specified in existing language. The requirements in this section allow for installation of supports for units installed in areas up to 30 pounds per square foot of roof load. These requirements are derived from, and are consistent with present day manufacturer’ installation manuals requiring perimeter supports under units and has been a standard installation requirement for many years. Because of the extreme loads imposed when roof loads exceed 30 pounds per square foot, support systems above that loading must be designed by an engineer or architect. This is necessary because the support systems specified in these regulations could not necessarily support that heavy a load.

**Subsection (a)(1)** is subdivided from the original language to make the requirements easier to locate. It is amended by replacing the term “load bearing” with the term “main chassis beam” for clarity. This is a language from the original text that is editorially relocated. The reference to the table is added because it was only referenced once in the original text and is repeated for clarity.

**Subsection (a)(2)** is subdivided from the original language to make the requirements easier to locate. The word “systems” is added because “support systems” is the defined term. The reference to the table is added because it was only referenced once in the original text and is repeated for clarity.

**Subsection (a)(3)** is added to require a support under each side wall opening of 48 inches or more in width and under the perimeter walls at eight-foot intervals. These requirements are derived from, and are consistent with present day manufacturer’ installation manuals requiring perimeter supports under units and has been a standard installation requirement for many years. The text requiring footing sizes to be not less than 275 square inches is necessary to adequately distribute the vertical loads to the ground. Since this requirement is only for units without manufacturer’s instructions, this method will ensure adequate support of the sidewalls, and corresponding roof load, for units. This would accommodate installations in all locations of the state and maintain consistency with most manufacturers’ present and past installation instructions. An alternative is available; an architect or engineer may design and approve alternative load bearing supports.

**The table** is amended by replacing the word “unit” with the term “MH-unit” and adding the word “section” because the width requirements in the table are not for the width of the entire unit but each supported section and these provisions only apply to MH-units as defined in section 1002. This is changed to eliminate confusion when using the table. The table is expanded to include requirements for footings for a 16 foot wide home because there are now 16 foot wide homes used in California and the previous table did not address them.

**Table 1335.5-2** is added to provide minimum ridge beam support requirements for specific unit section widths relative to the unsupported span. These requirements are only minimums and are based on current ridge beam loading charts in manufacturers’ installation specifications. This is necessary so that the additional loads imposed by increases in roof loading are properly transmitted to the ground to prevent structural failure in the unit.

**Subsections (b) through (b)(3)** are added to provide instructions for interconnection of multi-section manufactured homes in the absence of manufacturer's instructions. This is necessary because the vast majority of manufacturers require some method of interconnection and these requirements maintain consistency with most manufacturers' installation instructions. The date "October 7, 1973" is specified because it is a date after which a unit manufacturer was required to provide installation instructions. The design and approval by an architect or engineer is provided as an alternative to the use of these specifications. These are minimum requirements commonly used by many manufacturers for interconnection of floors, roofs and end walls to distribute the loads throughout the structure. Currently, there are no provisions for connection when there are no manufacturer's instructions. The subsections are created to make the specific requirements easier to locate.

**Subsections (b)(1)** the requirement for floor connections is necessary to prevent the separation of the sections and is required by every manufacture at the time of installation.

**Subsections (b)(2)** the requirement for the roof connection is necessary to assure the two sections act as one assembly. All manufacturers require securing of the sections together at the roof ridge beam to transmit roof loads equally to both sections. The requirements her represent a medium level of attachment as presently required by manufacturers.

**Subsections (b)(3)** the requirement for end wall connections is necessary to prevent the separation of sections and to integrate each section into one unit for strength and rigidity.

Health and Safety Code section 18613(e) of the Authority Note, is amended by deleting the reference to the subsection because it is not necessary.

#### **Amend Section 1336.**

**This section** is amended throughout, by adding the word "MH unit" to replace the word "home" because, as it is defined in section 1002, it excludes recreational vehicles and these requirements do not apply to recreational vehicles.

**Subsections (a) through (d)** are amended as noted above.

The calculation numbers in the examples for the wind load calculations are updated to consider the area of the underfloor enclosure and the average height of a current manufactured home. This is necessary because the previous example did not take into account the area beneath the floor edge of the unit and the wind load on this area needs to be included in the calculations.

Health and Safety Code sections 18300(a) and 18613(e) of the Authority Note, are amended by deleting the reference to the subsection because it is not necessary.

#### **Amend Section 1336.1.**

**This section** is amended throughout, by adding the word "MH unit" to replace the word "home" because, as it is defined in section 1002, it excludes recreational vehicles and these requirements do not apply to recreational vehicles.

**Subsection (a)** has no amendments.

**Subsection (a)(1)** is amended as stated above.

**Subsection (a)(2)** is amended by adding the word "listed" in front of the word "tiedown" because tiedown assembly must be listed by an approved listing agency for its use. The language identifying soil type is deleted because it allows for any soil type. Because an tiedown system listed as approved for use, is approved for use anywhere in the state, text has been added requiring type 5 soil because it is the worst case soil type, as specified in the California Building Code. This is an existing requirement and is copied from subsection 1336.2(a)(2). The reference to the Uniform Building Code is deleted because it is an outdated reference.

**Subsections (a)(3) through (f)** have no amendments.

**Subsection (f)(1)** is amended by adding the correct reference to currently accepted new construction standard, California Building Code. This is necessary to update the reference from the outdated 1994 edition of the building code. It is also amended by adding the requirement that the tiedown assembly load calculations shall be for type 5, 1000-pound soil, as classified in the California Building Code, because the when approved a tiedown system is approved for use anywhere in the state and not to a specific soil condition or location.

**Subsections (f)(2) through (h)(1)** have no amendments.

**Subsections (h)(2) and (3)** are amended as stated above.

**Subsections (i) and (i)(1)** have no amendments.

**Subsection (i)(2)** is amended by adding the correct reference to currently accepted new construction standard, the California Building Code. This is necessary to update the reference from the outdated 1994 edition of the building code. It is also amended by adding the requirement that the tiedown assembly load calculations shall be for type 5, 1000-pound soil, as classified in the California Building Code, because the when approved a tiedown system is approved for use anywhere in the state and not to a specific soil condition or location.

**Subsections (i)(3) and (j)** have no amendments.

Health and Safety Code sections 18300(a) and 18613(e) of the Authority Note, are amended by deleting the reference to the subsection because it is not necessary.

#### **Amend Section 1336.2.**

**This section** is amended throughout, by adding the word “MH unit” to replace the word “home” because, as it is defined in section 1002, it specifically excludes recreational vehicles and these requirements do not apply to recreational vehicles.

**Subsection (a)** has no amendments.

**Subsection (a)** is amended as above.

**Subsection (a)(1)** has no amendments.

**Subsection (a)(2)** is amended by adding the correct reference to currently accepted new construction standard, Title 24 of the California Code of Regulations. This is necessary to update the reference from the outdated 1994 edition of the building code.

**Subsection (b)** has no amendments.

**Subsection (b)(1)** is amended as above.

**Subsection (b)(2)** is amended by adding the correct reference to currently accepted new construction standard, California Building Code. This is necessary to update the reference from the outdated 1994 edition of the building code.

**Subsections (c), (d), (e), and (e)(1)** are amended as above.

**Subsection (e)(2)** has no amendments.

**Subsections (f), (g), and (h)** are amended as above.

**Subsection (i)** has no amendments.

**Subsection (j)** is amended as above.

Health and Safety Code sections 18300(a) and 18613(e) of the Authority Note, are amended by deleting the reference to the subsections because they are not necessary.

#### **Amend Section 1336.3.**

**This section** is amended throughout, by adding the word “MH unit” to replace the word “home” because, as it is defined in section 1002, it excludes recreational vehicles and these requirements do not apply to recreational vehicles.

There are no further amendments.

Health and Safety Code sections 18300(a) and 18613(e) of the Authority Note, are amended by deleting the reference to the subsections because they are not necessary.

#### **Repeal Section 1336.4.**

**This section** is relocated to section 1334.1 to place it closer to related requirements in this chapter.

**Repeal Section 1336.5.**

**This section** is relocated to section 1334.2 to place it closer to related requirements in this chapter.

**Adopt Section 1337.**

Section 1350 is relocated to new section 1337, to place the requirements for load bearing supports, and their subsequent inspection, in close proximity to related requirements and to keep them in succession in the regulations.

**This section** is amended throughout, by adding the word “MH unit” to replace the word “mobilehome” because, as it is defined in section 1002, it specifically excludes recreational vehicles and these requirements do not apply to recreational vehicles. The word “area” was exchanged for the word “space” and the word under” was exchanged for the word “beneath” as editorial changes.

**New subsection (a)** is added to specify that skirting cannot be installed until the underfloor installations has been inspected. This is necessary because it is not possible to inspect all the supports and their attachments when it is hidden by skirting.

**New subsection (b)** is added to specify the masonry walls cannot be installed until the underfloor had been inspected, unless the masonry wall is required to provide perimeter support to the manufactured home or mobilehome. This is necessary because the inspection of the support system and connections could be impeded by the wall and could only be permissible if the wall was a structural element of the support system.

**Amend Section 1338.**

**This section** is amended throughout, including the table, by adding the word “MH-unit” to replace the word “home” because recreational vehicles are excluded from the requirements of this article.

**Subsection (a)** is amended by adding numbers to subdivide the subsection into subsections (1), (2), and (3). This is necessary to organize the subsection to make finding a particular county within a specific region, easier. There are no further amendments.

**Subsection (b)** is amended by adding text to establish “Methods of protecting the manufactured home or mobilehome may be one of the following:” This is necessary to introduce the requirements. It is also amended as identified in the introduction of this section.

**Subsection (b)(1)** is renumbered from existing subsection (d) because it permits the construction of a ramada to protect a unit. It is amended by adding language that references the required design load and the location for the construction requirements. This is necessary in order to ensure that when a ramada is constructed it can resist the minimum roof loads for the region where it is installed and be capable of protecting the unit and its occupants.

Old subsections (c) through (c)(2) are repealed because the possibility of catastrophic damage and personal injury or death may result if the program, solely administered by the park, is not followed during a snow storm. In the event of a severe storm, snow removal personnel would not be able to access the units for the snow removal process. This would cause extreme stresses on the structural integrity of the units and could cause structural collapse or at the very least internal damage. At the time of the original introduction of this provision, MH-units capable of sustaining the additional loads of accumulated snow were uncommon. Present day MH-units are available that are fully capable of withstanding high roof loading and maintenance programs for new installations are unnecessary.

**New subsection (c)** is added to provide for continued implementation of existing snow roof load maintenance programs for existing installations and to clarify that all new installations must have the capacity to withstand snow roof loads of the area. This is necessary to ensure

the existing units still have the required protection and that all new units are structurally compatible with the area of their installation.

Subsection (d) is renumbered subsection (b)(1).

**New subsection (d)** is renumbered from subsection (e), and amended by changing the word “shall” to “does”, for clarify.

**Subsection (e)** is added text that requires the snow roof load maintenance program to be maintained as long there are units in the park which do not meet the minimum requirements. This is necessary because the park owner/operator initiated the program and the units were installed contingent upon the continued operation of that program. The program can only be discontinued when the units and structures, in the park, have adequate roof load capability for the area.

#### **Adopt Section 1338.5.**

**This section** is added to make the provisions of Government Code Sections 65995 and 65996, and Education Code Sections 17620 and 17625 more specific as they relate to manufactured homes, and incorporate the changes to these codes since the last update of these regulations.

**Subsection (a)** is added to specify that the owner of an MH-unit, issued a permit to construct after September 1, 1986 may be assessed a school impact fee, if the local school district has imposed one. It also specifies the laws that require this fee. This addition is necessary to clarify the possibility of the assessment and the exception to the assessment if the permit to construct was before September 1, 1986.

**Subsection (b)** is added to provide the requirements for verifying proof of compliance with the school district. In order to assure the compliance with the required statutes, the signature of a representative of the school district is required on the School Impact Fee Certification verifying payment of the fees, prior to approval of the installation.

Section 18613 of the Health and Safety Code is added to the authority note because section 18613 directs the department to establish regulations for manufactured home or mobilehome installations.

Section 65995 of the Government Code; and Sections 17620, 17621, 17622, 17623, 17624 and 17625 of the Education Code are added to the reference note because section 65995 sets the limit for the school fees that can be charged at the time of a mobilehome/manufactured home installation, section 17620 authorizes the governing board of any school district to levy a construction fee for mobilehome/manufactured home location, installation, or occupancy, section 17621, 17622, 17623, and 17624 because they condition the application of school impact fees, section 17625 specifies the circumstances when the fee can be levied for mobilehome/manufactured home installation and the requirement that proof of compliance be provided prior to approval for occupancy.

#### **Adopt Section 1339.**

**This section** is added to establish the requirements for submission to the department of compliance with the local floodplain ordinance prior to issuance of the permit to install the manufactured home. This is necessary to assure compliance with federal requirements for local floodplain ordinances. An exception is included so a form is not required when the department has been notified that a specific park is not located in a flood plain. This avoids duplication of work for the contractor and the enforcement agency.

Section 18613 of the Health and Safety Code is added to the authority note because section 18613 directs the department to establish regulations for manufactured home or mobilehome installations.

Sections 60.3 and 60.26, 44, CFR; are added to the reference note because they refer to the requirements on federal flood management and Executive Order B-39-77 is added as a reference to state emergency preparedness.

### **Repeal Section 1340.**

The remains of deleted sections make the regulations difficult to use. Striking them completely will clear the regulations of unnecessary sections that have no content.

### **Repeal Section 1342.**

The remains of deleted sections make the regulations difficult to use. Striking them completely will clear the regulations of unnecessary sections that have no content.

### **Amend Section 1344.**

**This section** is amended by exchanging the word “beneath” with the word “between”. This is necessary because it is a more accurate description of the measurement points. Additionally, the text “and grade level of the lot” and “a minimum clearance of” is added to provide a more accurate description of the clearance requirement. The addition of the words “shall be maintained” notifies the reader that this clearance must be maintained. This is necessary so the reader knows that any change in grade level that diminishes that clearance must be corrected. The word “MH-unit” replaces “mobilehome” because this article does not apply to recreational vehicles and the words “and grade level of the lot” are added to define the measurement points because it had been omitted. Finally, the change of the word “beneath” to “under” is editorial.

The reference note is amended editorially.

### **Amend Section 1346.**

**This section** is amended throughout, by adding the words “MH-unit” to replace the word “mobilehome”, because multi-unit manufactured housing is included in the definition and recreational vehicles are excluded from the provisions of this section.

**The title** of this section has been changed to “Skirting Design and Construction” because it is a more accurate description.

**Subsection (a)** is amended by adding language to specify the minimum access opening under the unit, and that there can be no obstructions such as pipes or ducts, impeding access. This language is consistent with the provisions contained in the California Building Code, section 2306.3. The language allowed any dimensioned opening, and that required the access to be located within 20 feet of the lot utility connections was struck to maintain consistency with the accepted building standards and to allow for variation on the locations for connections to the unit as permitted in other sections of this chapter.

**Subsection (b)** is amended by striking the word “attached” because accessory structures are not generally permitted to be attached, or transmit loads to the unit. Language was added requiring the ventilation openings to be installed on the two opposite sides of the unit “along the greatest length of the unit”. This is necessary because the previous language would allow vents only on the shorter ends of the unit, which would not provide the required cross ventilation necessary beneath unit. The word “installed” is added to be grammatically correct.

**Subsection (c)** is amended by striking the existing language and adding language that brings the requirements for wood and wood siding forward from the California Building Code, Title 24 when there are no siding manufacturer’s installation instructions. This is necessary to provide instructions for the reader, in the absence of instructions from the material manufacturer. The added language requiring that all wood products used in underfloor enclosures nearer than six inches to the soil, are required to be treated wood, or wood of natural resistance to decay is not new, but is the existing language that was struck. The use of the traditional strikeout and underline format would have been very confusing for the reader, so it was struck and then added back in its entirety.



The reference note is amended editorially.

**Amend Section 1348.**

**This section** is amended to make it clear that the requirements for leveling of the newly installed unit include the chassis and all floor members in addition to the floor itself. This would eliminate the structural members of the unit being incorrectly installed. This section is also amended by adding the words “MH-unit” to replace the word “mobilehome”, because recreational vehicles are excluded from the provisions of this article. It is also amended grammatically.

Section 18613 of the Health and Safety Code is added to the authority note because it requires the department to adopt regulations for MH-unit installations.

**Repeal Section 1350.**

Section 1350 is relocated to new section 1337, to place the requirements for load bearing supports and their subsequent inspection in succession in the regulations.

**Amend Section 1352.**

**This section** is amended throughout, by replacing the word “mobilehome” with “MH-unit”, unless the word “MH-unit” is not necessary, and then the word “mobilehome” is deleted and not replaced. This is necessary because manufactured homes are included in the provisions of this article, and recreational vehicles are specifically excluded from the requirements of this section.

Additionally, this section is amended by adding existing subsections 1634(d) and (e) for the reason provided below.

**Subsection (a)** is amended by adding the word “lot” to describe the service equipment and distinguish it from the park’s electrical service.

**Subsection (a)(1)** is amended by adding the words “power supply” because it is current accepted terminology as referenced in the Electrical Code. The word “set” is stricken for clarity because it is an old term that referred to travel trailers. The word “approved” is added because the cord must be approved for its use by the listing agency. The word “mobilehome” is kept in this instance, because the power supply cord testing industry uses the word “mobilehome” to label power supply cords.

**Subsection (b)** is amended by adding the word “service” because this refers to the provided electrical service. This is necessary to maintain consistency of language in these regulations.

**Subsection (c)** is amended editorially and as mentioned above.

**Subsection (c)(1)** has no amendments.

**Subsection (c)(2)** is amended by striking language that would be duplicative of new language being added, and by adding language that specifies conformance with the male attachment plug provisions of the California Electrical Code.

**Old Subsections (c)(2)(A) and (B)** are repealed because the specifications referenced in the text is more thoroughly defined in the referenced California Electrical Code and is unnecessary.

**Old Subsection (c)(3)** is repealed because adapters are no longer permitted. They are unsafe and are frequently incorrectly installed. Installing the proper receptacle is inexpensive and much safer.

**Old Subsections (c)(3)(A) through (D)** are repealed because the specifications referenced in the text is more thoroughly defined in the referenced California Electrical Code and is unnecessary.

**Subsection (d)** is amended by adding the word “lot” to describe the service equipment. This is necessary because it is the “lot” service equipment the unit is connected to.

**Subsection (d)(1)** is amended by changing the text “feeder assembly” to “over head service drop” because this type of installation (overhead) is typically a service entrance, not a feeder connection. These terms are consistent with terminology utilized throughout the California and National Electrical Codes. The existing language referring to the “conductors, conduit risers and service heads” is deleted because it is unnecessary and is more thoroughly defined in the referenced California Electrical Code.

**Subsection (d)(2)** is amended by changing the word “undervehicle” to “underfloor” because manufactured homes are no longer considered vehicles. It is also amended by adding the word “lot” to describe the service equipment. This is necessary because it is the “lot” service equipment the unit is connected to. Additionally, the phrase “flexible metal” is struck because there are other approved types of approved conduit. Text is added requiring the flexible connection to be at least 36 inches long to allow for movement of the unit without breaking the connection or the protecting conduit. This is necessary because flexible conduit is limited in its ductility. A length of conduit less than 36 inches would not permit a bend without stress on the conduit. Additionally, there is no need for the flexible conduit to extend the entire length of the service feeder.

**Subsection (d)(3)**, previously subsection (e), is amended by striking the word “feeder” to maintain consistency in usage and eliminate repetition. It is also amended by changing the word “undervehicle” to “underfloor” because manufactured homes are no longer considered vehicles.

**Subsection (d)(3)(A) and (B)** are amended as mentioned above.

**Subsection (d)(3)(C)**, previously subsection (e)(3), is amended by updating to the correct reference for the currently accepted electrical standard, the California Electrical Code. This is necessary to update the reference from the outdated 1978 edition of the electrical code. It is also amended as mentioned above.

**Subsection (e)**, previously subsection (f), has no amendments.

**Subsection (g)** is deleted because it duplicates the provisions of Section 1188 with regard to the safety of the equipment installed.

**Subsection (f)**, previously subsection (h), is amended by updating to the correct reference for the currently accepted electrical standard, the California Electrical Code. This is necessary to update the reference from the outdated 1978 edition of the electrical code. It is also amended as mentioned above.

**New Subsection (g)** is renumbered subsection 1634(d). This is necessary to consolidate related sections because this provision addresses power supply cords. There are no other amendments.

**New subsection (h)** is renumbered subsection 1634(e). This is necessary to consolidate related sections because this provision addresses electrical feeder conductors. The words “Power supply” and “assemblies” were deleted to avoid confusion because they define the entire assembly and “conductors” refers only to the actual wiring. The words “approved rigid” are added, because the term “rigid” is a electrical term for a specific heavy gauge conduit, utilized when extra protection of the conductors are necessary.

### **Amend Section 1354.**

**The title** and the subsections of this section are amended by adding the words “MH-unit” to replace the word “mobilehome”, unless the inclusion of the word “mobilehome” is not necessary, then it is struck without replacement. This is necessary because recreational vehicles are excluded from the provisions of this article.

**Subsection (a)** is amended by exchanging the word “listed” with the word “approved” and adding the words “listed for its intended use”. This is necessary to ensure that connectors listed for use with gas, are used in their proper application. It is also amended by striking the outdated reference to the 1979 Uniform Plumbing Code and adding the reference to the currently adopted California Plumbing Code. This is necessary to update the reference from

the outdated 1979 edition of the plumbing code. The remainder of the subsection is struck because the requirements can be found in the referenced California Plumbing Code.

**Subsection (b)** is added to clarify that when an extension of the gas piping is necessary, it must be in compliance with the National Manufactured Housing Construction and Safety Standards and that verification of compliance will not result in an additional inspection, but will be performed at the time of the installation inspection.

Old subsection (b) is repealed because if the piping on the unit is extended, it must comply with the requirements contained in the National Manufactured Housing Construction and Safety Standards.

Old subsection (c) is repealed because if the lot gas service is extended, it must comply with the requirements defined in the California Plumbing Code.

**Subsection (d)** is renumbered as subsection (c) because of the repealed text, and is amended as mentioned above.

### **Amend Section 1356.**

**The title** and this section are amended by adding the words “manufactured home or” in front of the word “mobilehome. This is necessary because manufactured homes are included in the provisions of this article.

Further, this section is amended by adding language that specifies the flexible connectors for water supply, be “approved for potable water”, or “at least 18 inches of soft” copper tubing. This is necessary to allow a variety of flexible connections in the event of movement of the home as long as the connector is approved for drinking water. The reference to “soft” copper is the common accepted term for annealed copper piping. This type of piping allows flexibility of the piping without causing breakage and the 18 inch length allows movement of the piping without undue stress on the fittings.

Section 18613 of the Health and Safety Code replaces section 18513 in the reference note because section 18513 is a typographical error.

### **Amend Section 1358.**

**The title** is amended by striking the word “mobilehome” and “connector” and adding the word “unit” because the section includes recreational vehicles and to accurately reflect the contents of this section which covers more than connectors. This is necessary because the provisions of this chapter are not limited to mobilehomes.

**Subsection (a)** is amended by adding the letter (a), and the words “MH-unit” to replace the word “mobilehome. This is necessary because recreational vehicles are not always required to comply with from the provisions of this subsection. The word “appropriate” is replaced with the words “with listed and approved” because it is too vague and only fittings that are listed by an approved listing agency for drain and waste usage are permitted. This is necessary to assure consistent quality of materials and to reduce the possibility of sewage leaks over the life of the connection.

**Subsection (b)** is not new; it is renumbered subsection 1680(b). It is amended by adding language that includes fittings for drain connectors. The requirement that the connectors and fittings be listed and approved for drain and waste replaces the vague language specifying the hose be flexible. This is necessary to assure consistent quality of materials and to reduce the possibility of sewage leaks with the connection. The new text allows a Recreational Vehicle owner a choice of any piping provided it is listed and approved for drain and waste usage.

**Subsection (c)** is subdivided from existing subsection 1680 (b) above because this portion of this subsection refers to recreational vehicles that are located in parks year round or do not have holding tanks (self contained). It is amended by striking “occupied as a residence or” because when a unit is located in a park year round it is not necessary for the unit to be actually occupied year round. Drain connectors for recreational vehicles located year round

in a park are exposed to physical damage, ultraviolet deterioration and other conditions that affect the use and durability of the materials. The materials for use with manufactured homes as specified in subsection (a) have proven to be a safe, durable material for drain connections. It is also amended by adding the phrase “or units with plumbing that are not self contained” because some recreational vehicles, such as park trailers, are not self contained in that they do not have holding tanks for the storage of wastes. These non-self contained units have the same drain connection as a manufactured home and a proven, safe, durable drain connector is the type specified in subsection (a).

**Subsection (d)** is not new; it is renumbered subsection 1680(c). It is relocated to include it in this section of drain connector requirements. It is amended by adding the words “and fittings” to ensure that the fittings as well as the piping have a sufficient angle of fall to provide proper flow. The other amendments are editorial.

#### **Amend Section 1360.**

**This section** is amended throughout, by adding the words “MH-unit” to replace the word “mobilehome”, unless the inclusion of the word “mobilehome” is not necessary and then it is struck. This is necessary because manufactured homes are included in the provisions of this article.

**Subsection (a)** is amended by striking the subsection title “Relocated mobilehome.” in order to maintain consistency with the other untitled subsections in this section. The subsection is also amended by changing word “where” to “when”. This is necessary to identify the requirements as a qualification, not a location. The word “appliance” replaces the word “equipment” because it is more specific. The word “portable” is added because the requirements are limited to portable appliances to distinguish it from subsection (b), which applies to central air-conditioning units. Additionally, it is amended by adding the word “previously” and “energized from the unit and”. This is necessary because a MH-unit can easily handle the additional load from a portable air conditioning appliance, but the installation of central air conditioning equipment requires additional overcurrent protection that puts additional loads on the unit and the park and requires a permit to install. This subsection is also amended editorially.

**Subsection (b)** is amended by changing word “where” to “when”. This is necessary to identify the requirements as a qualification, not a location. The word “central” is added to distinguish these requirements from those of subsection (a) for portable installations. The subsection is also amended by striking language that is vague and replacing it with language that is specific regarding the initial installation of central air-conditioning on a unit. The language regarding filing an application for an alteration is rewritten to the current terminology “a permit to alter” and to clarify that only the department can issue the required permit to alter a manufactured home.

**Subsection (c)** is subdivided from subsection (b) because it contains provisions for units that do not have the necessary electrical capacity, and it applies to both portable and central appliances. The phrase “is equipped for a power supply cord,” is deleted because a power supply cord would not automatically require an air conditioning unit to be connected to the lot service. The text “or does not have additional capacity to supply” is added to provide a source of electricity for the air-conditioner because not all units can accommodate the additional electrical requirements of air conditioning equipment. The term “electrical” is added to specify that this service is for electricity. Finally, language is added that a permit to construct will be required if any alteration of the lot electrical service is planned. This is necessary because the lot service cannot be altered without first obtaining a written construction permit from the enforcement agency.

The reference note is amended editorially.

#### **Amend Section 1362.**

**The title** of this section is amended by adding the word “installation” to clarify that this section concerns tests related to the installation of a unit.

**This section is amended throughout**, by replacing the word “mobilehome” with “MH-unit”. This is necessary because recreational vehicles are excluded in the requirements of this section.

The first sentence is deleted and has been renumbered as subsection (e) to place it after the requirements for all the tests because it relates to all the tests.

**Subsection (a)** is amended by adding the word “potable”. This is necessary to make the requirement clear that it refers to drinking water. It is subdivided to a new subsection because it covers two separate testing requirements, water distribution piping and drainage piping.

**Subsection (b)** is amended by striking the words “or site” because the reference is to the specific “lot” drain, where the term “site” is ambiguous.

**Subsection (c)**, previously subsection (b), is amended by changing the word “shall” to “may” to allow the tester the option of leaving the shut-off valves, on kitchen appliances, open because the original requirement was developed when cooking appliances had pilot lights and the pressure test would leak through them. Many newer appliances contain pilotless ignition devices and the need to close the appliance’ valve is unnecessary. This subsection is also amended by separating it into two additional subsections, (1) testing the system, and (2) visually inspecting the appliance vents.

**Subsection (1)** is amended by striking the abbreviation “psi” because it is an incorrect reference when dealing with ounces. The words “if” and “have been shut-off, they” are added to provide a qualification for allowing the valves to be open or closed during the test, as noted in the previous subsection, and the subsequent requirement for checking for leakage once they are open. The abbreviation “psi” is changed to “ounce”, to correct the error in the referenced indicator term. A notation is relocated from the end of subsection (2) to place it closer to the requirement for a pressurized test. The subsection is also amended editorially.

**Subsection (2)** is amended by striking the word “visually”, because the inspection of appliance vents may include more than visual indicators of proper connection. The notation is relocated to subsection (1), to place it with the requirements for pressurization.

**Subsection (d)**, previously subsection (c), is amended by striking the words “or site” because the reference is to the specific “lot” service equipment, where a “site” is ambiguous and unclear. It is also amended by separating it into three additional subsections, (1) interior continuity test, (2) lot service continuity test and newly lettered subsection (3) to separate the gas and electrical connections from the requirements for testing.

**Subsection (1)** is amended as mentioned above, by including the words, “manufactured home”.

**Subsection (2)** is amended by striking the words “or site” to make the reference consistent with this chapter to a specific lot, not the ambiguous term “sites”.

**Subsection (3)** is added because it provides requirements for a polarity test with the manufactured home or mobilehome connected to the lot service equipment. The polarity test is necessary cross-check the system because it may reveal electrical conditions, which do not show up during a ground continuity test. Although the electrical system is inspected during manufacture, this requirement would provide additional inspection of the system that may have become dislodged in transit. The qualification for availability of electricity is necessary because electrical energy is not always available at the site at the time of the installation inspection and many service providers require inspection approval prior to the placement of a meter and subsequent energizing of the service.

**Subsection (e)** is not new; it is relocated from the opening paragraph of this section. This text is relocated to place it after the requirements for all the tests because all the tests relate are applicable. It is amended by replacing the word “units” with “sections” because the connections needing inspection are between each section of a single unit.

**Subsection (f)** is amended by adding the words “approval of the manufactured home or mobilehome installation and” and the word “connection” because the installation must be inspected and approved before the gas and electrical service connection can be made. The words “or sites” are struck, to make the reference consistent with the specific word “lot” utilized throughout this chapter.

**New subsection (g)** is added to include provisions for testing of fire sprinkler systems installed at the time of construction by the home manufacturer. This is necessary because it is required to be tested as part of the installation requirements at the home site. The testing requirements are brought forward from Title 25 Chapter 3 and reprinted, to be readily available.

#### **Repeal Section 1364.**

**This section** is repealed because “approval tags”, attached to the electrical service, are rarely used, so these requirements are unnecessary.

#### **Amend Section 1366.**

**The title** of this section is amended by adding the words “manufactured home or mobilehome”, adding the word “or”, and striking the parentheses. This is necessary because approval of units installed on support systems result in a Manufactured home Installation Acceptance and when installed on a foundation a Certificate of Occupancy.

**Throughout this section** the word “MH-unit” is added to replace the word “mobilehome”. This is necessary because recreational vehicles are excluded from the requirements of this section.

**Subsection (a)** is amended by adding language that qualifies the issuance of the certificate of occupancy or installation acceptance. This is necessary to specify that the approval for occupancy will not be given if the installation violates the regulations. In the second sentence the words “certificate of occupancy” are added to identify the approval for units on foundations. Additionally, language is added to direct the enforcement agency to give a copy of the installation acceptance to the “installer or person holding the permit to install”, because they are the permit applicant, with a copy to the buyer. The word “dealer” is deleted because the dealer is not the permit holder for the installation of the unit and the words, “registered owner or their representative” are added to allow the owner of the unit or a representative of the installer, buyer, or owner to obtain the acceptance certificate. Finally, language is added that specifies that the certificate of occupancy be provided for mobilehomes and manufactured homes installed on foundation systems pursuant to HS&C section 18551(a), and the installation acceptance be provided for manufactured homes and mobilehomes installed on foundation systems pursuant to HS&C sections 18551(b) and 18613. This is necessary to explain when each form is to be completed for each type of installation. The remainder of the subsection is struck because the information is provided on the form and it is not necessary.

**Subsection (b)** is amended by adding the word “MH-unit” before the word “installation” because these requirements do not apply to recreational vehicles. It is also amended by adding the phrase “or certificate of occupancy” after the word “acceptance” because it applies to all foundations. It is also amended as mentioned above.

**Amend Section 1368.**

**The title of this section** is amended to read: **Requirements for Exit Doorways**. This describes the contents of the section and is more specific.

**Throughout this section** the word “MH-unit” is added to replace the word “mobilehome”. This is necessary because recreational vehicles are excluded from the requirements of this section.

**Subsection (a)** is amended by striking the letter because there is only one subsection, and adding language that specifies that all doorways be provided with a porch, landing, ramp and/or stairway at the time of installation inspection. This is necessary because once a unit is approved for occupancy; all egress pathways must be able to be utilized. The reference to the outdated 1979 edition of the Uniform Building Code is struck and replaced with reference to article 9, because the stairway, ramp, porch, or landing used for egress are all accessory structures and the requirements for accessory structures are contained in article 9 of this chapter.

Old subsection (b) is deleted because the requirements in subsection (a) make it unnecessary. As stated above all exterior doors must have an approved means of egress. In the event of a fire, a person should not have to consider which doorway has an approved stairway.